

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
16 November 2000 (16.11.2000)

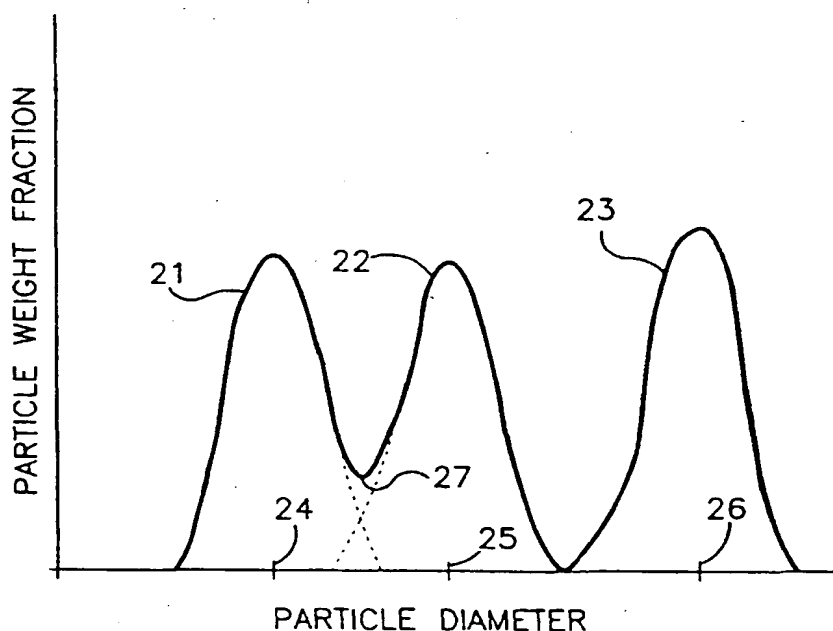
PCT

(10) International Publication Number  
**WO 00/68002 A1**

- (51) International Patent Classification<sup>7</sup>: **B32B 5/16**, B60C 19/00
- (21) International Application Number: PCT/US00/12896
- (22) International Filing Date: 11 May 2000 (11.05.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/133,775 12 May 1999 (12.05.1999) US
- (71) Applicant (for all designated States except US): **INTERNATIONAL MARKETING, INC.**, [US/US]: Professional Arts Building, Suite C, P.O. Box B, Chambersburg, PA 17201 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **FOGAL, Robert, D.**, Sr. [US/US]: 15 Kenwood Road, Chambersburg, PA 17201 (US).
- (74) Agents: **OLDHAM, Scott, M.** et al.: Oldham & Oldham Co., L.P.A., Twin Oaks Estate, 1225 West Market Street, Akron, OH 44313-7188 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- (48) Date of publication of this corrected version:  
14 February 2002

[Continued on next page]

(54) Title: COMPOSITION FOR EQUALIZING RADIAL AND LATERAL FORCE VARIATIONS AT THE TIRE/ROAD FOOT-PRINT OF A PNEUMATIC TIRE



(57) Abstract: A composition or particle mixture (20) for equalizing radial and lateral forces at the tire/road footprint of a pneumatic tire (11) due to tire/wheel assembly imbalance, non-uniformity of the tire, temporary disturbances in the road surface, or other vibrational effects of the unsprung mass of a vehicle whereby the particle mixture (20) is inserted into the interior of the tire (11). The composition is a dry solid particle mixture (20) wherein the particles are freely flowable and non-tacky at elevated tire temperatures, the particle mixture (20) is essentially devoid of liquid material, and the particle mixture (20) comprises two or more sets of particles wherein each set consists essentially of particles of a predetermined size or size range. The particle mixture (20) exhibits a multimodal particle size distribution.

202140" 88861001



WO 00/68002 A1